

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 08-198616

(43)Date of publication of application : 06.08.1996

(51)Int.Cl.

C01B 33/193

C01B 33/157

C12H 1/04

(21)Application number : 07-024745

(71)Applicant : SHIONOGI & CO LTD  
ASAHI BEWERIES LTD

(22)Date of filing : 19.01.1995

(72)Inventor : UNO IKUO  
CHIKAKI YASUTAKA  
HORIUCHI SEICHI  
SUMI HIROAKI

## (54) SILICON DIOXIDE FOR STABILIZING BEER AND ITS PRODUCTION

## (57)Abstract:

PURPOSE: To obtain silicon dioxide for stabilizing beer, which give excellent stabilizing effect without damaging the foam property of the beer.

CONSTITUTION: Silicon dioxide for stabilizing the beer, which has 500-800m<sup>2</sup>/g specific surface area by BET method, shows pH8.0-9.3 in 5wt.% aq. suspension, is  $\leq 4.8$  in acid strength H<sub>0</sub> and 0.8-1.2 $\mu$ mol/m<sup>2</sup> in acid quantity, is obtained by adding simultaneously sodium silicate and a mineral acid into a salt aq. solution under stirring to allow to react with each other at pH3.0-7.0 and 80° C, adjusting the pH of the resulting silica suspension to 3.0-7.0, filtering, washing and dispersing again the resulting silica hydrogel into water and after adjusting the pH to 5.5-8.5, filtering, washing and drying.

## LEGAL STATUS

[Date of request for examination]

10.05.2000

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2000 Japan Patent Office